

NWS GRAND JUNCTION COLORADO



A LOOK BACK AT **JUNE 2021** WEATHER ACROSS E UTAH / W COLORADO

June started out unseasonably warm and dry as high pressure remained overhead for the first several days of the month. Critical fire weather conditions returned for the second week with Red Flag Warnings in effect for much of the area. Numerous record high temperatures were set between June 14-18 as a large area of high pressure settled across the Desert Southwest. This continued dry and hot weather saw several wildfires start and rapidly spread across the area. Some relief finally returned to the Western Slope during the last couple weeks of June as subtropical moisture advected into the region. June 24th saw flash flooding occur northeast of Montrose, Colorado as an average of 1.75 inches of rain fell in less than 2 hours. The Grizzly Creek Fire burn scar in Glenwood Canyon saw two consecutive days of debris flows as a result of heavy rains.

June was either drier or wetter than normal depending on your location as 6 out of the 10 automated stations found at airports across E UT/W CO ended the month with below normal precipitation. June was generally warmer than normal across the region with mean temperatures ranging from 3 to 6 degrees above normal.



JUNE 2021

CLIMATE SUMMARY



TABLE OF CONTENTS

NOTE: all data mentioned is collected from our automated observing stations from 10 airports across the area. Some observers in more remote areas JUNE have measured warmer or colder temperatures, or more or less precipitation than mentioned in this summary.

PAGE #	PAGE TITLE
1	Cover
2	Table of Contents
3	Story of the Month
4	Temperatures
5	Precipitation
6	Total Monthly Precipitation
7	Monthly Precipitation Departure from Normal
8	Daily Records Report
9	Drought Conditions as of July 6 TH
10	Next Month Outlook

STORY OF THE MONTH

26 - 27 JUNE DEBRIS FLOWS

Ample moisture remained situated over W CO for several days as the backside of an upper level trough extended along the Divide. This led to an uptick in shower and thunderstorm coverage across the area with storms producing heavy rain over the Grizzly Creek Fire burn scar. Several debris flows occurred as a result over the western portion of the burn area. The flow on the 26th was 60-70 feet wide with the debris flows on the 27th were 2 to 3 times the size. An estimated 0.30 to 0.60 inches of rain fell in less than 30 minutes both days.

Glenwood Canyon mudslide

Debris on 26 June (Credit: KDVR)

Debris on 27 June
(Credit: Glenwood Springs Fire)

J
2 U
0 N
2 E
1

TEMPERATURES



Location	Average Temp (°F) (VS Normal)	Warmest Temp (°F)	Coldest Temp (°F)
Aspen, CO	62.7 (+3.1)	91 on 6/14-16	35 on 6/1
Cortez, CO	70.0 (+4.5)	102 on 6/16	38 on 6/12
Craig, CO	64.8 (+3.9)	99 on 6/16	29 on 6/11
Durango, CO	66.8 (+4.1)	98 on 6/17	35 on 6/9
Grand Junction, CO	77.0 (+4.0)	105 on 6/16	49 on 6/11
Meeker, CO	64.9 (+2.9)	97 on 6/16	35 on 6/11-12
Montrose, CO	72.1 (+3.4)	100 on 6/16	44 on 6/1
Rifle, CO	71.6 (+4.4)	103 on 6/16	44 on 6/9, 11
Canyonlands Airport, UT	78.7 (+4.6)	107 on 6/16-17	48 on 6/11
Vernal, UT	72.5 (+5.4)	102 on 6/16-17	41 on 6/11

J
2

U
0

N
2

E
1

PRECIPITATION



Location	Total Precipitation (in.)	Departure from Normal (in.)
Aspen, CO	0.90	+0.02
Cortez, CO	0.71	+0.42
Craig, CO	0.24	-0.75
Durango, CO	0.34	-0.11
Grand Junction, CO	0.10	-0.31
Meeker, CO	0.95	-0.13
Montrose, CO	0.82	+0.46
Rifle, CO	0.73	+0.05
Canyonlands Airport, UT	0.12	-0.21
Vernal, UT	0.09	-0.41

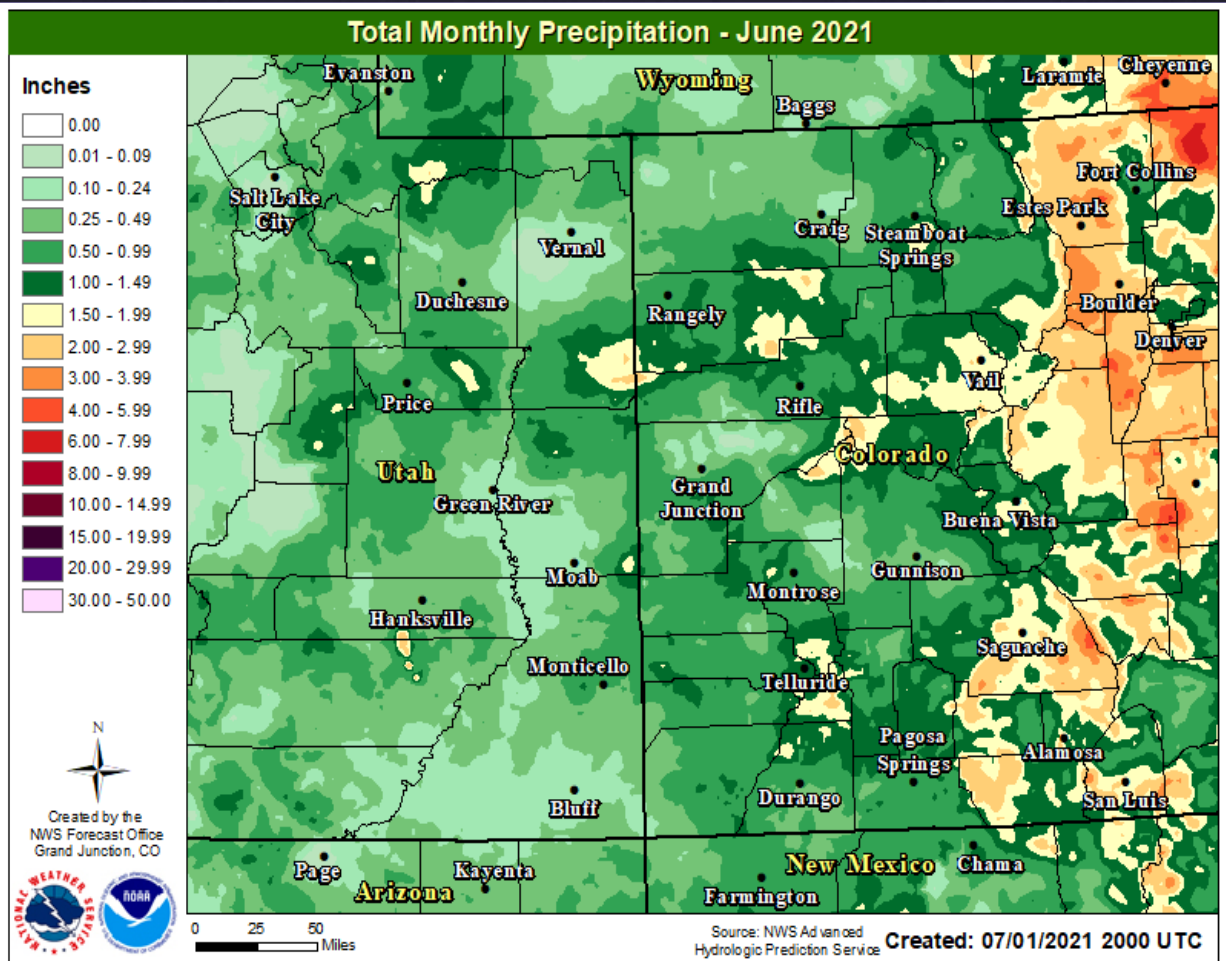


JUNE 2021

CLIMATE SUMMARY



TOTAL MONTHLY PRECIPITATION



JUNE 2021

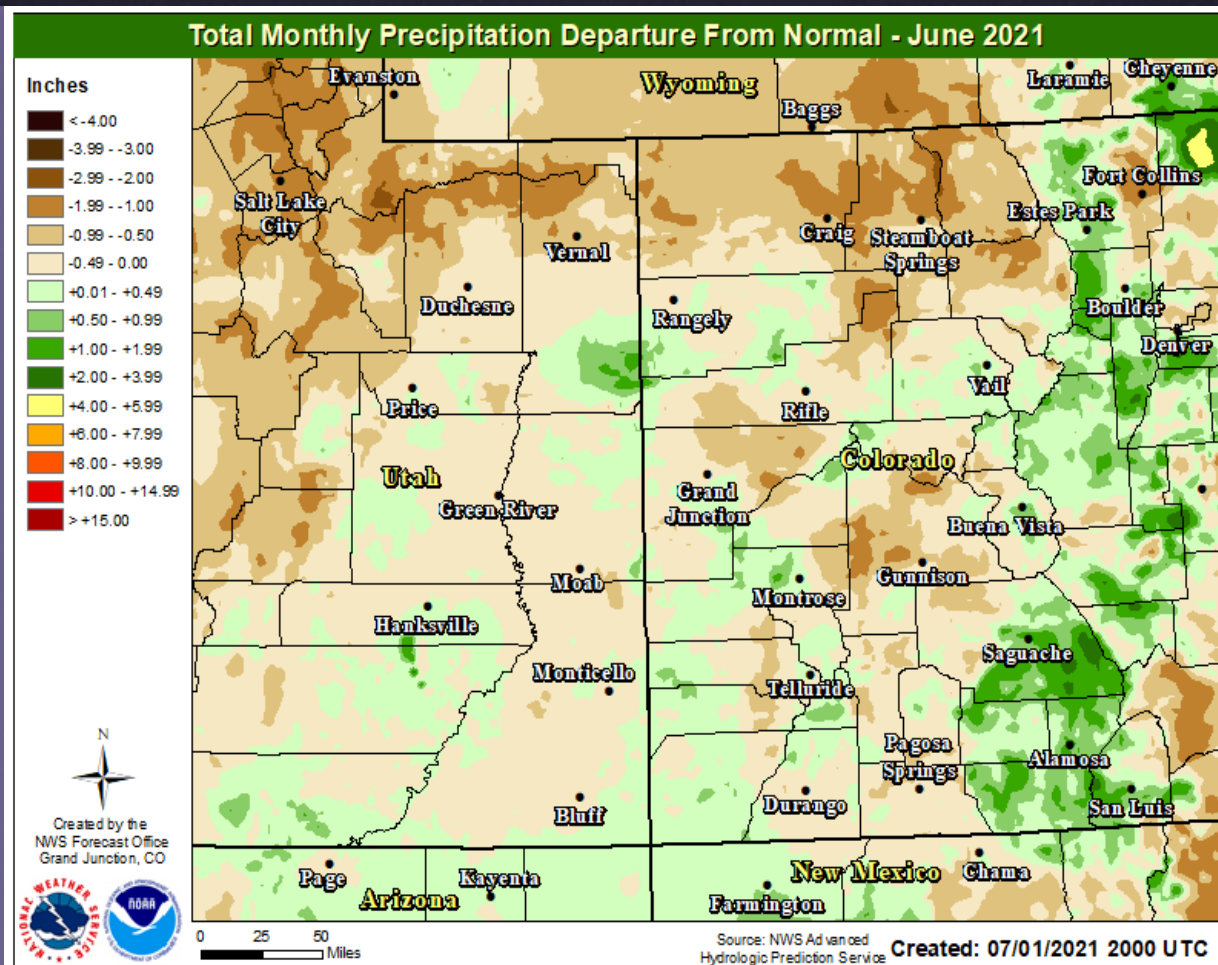
CLIMATE SUMMARY



TOTAL
MONTHLY

PRECIPITATION

DEPARTURE FROM NORMAL



JUNE 2021

CLIMATE SUMMARY



DAILY RECORDS **R E P O R T**

A total of 4 daily records were set across the primary climate sites

Site	Date	Record Type	New Record	Previous Record
Grand Junction, CO	June 15 th	High Max Temperature	103°	100° in 1946
Grand Junction, CO	June 16 th	High Max Temperature	105°	100° in 1896
Grand Junction, CO	June 17 th	High Max Temperature	104°	100° in 1940
Grand Junction, CO	June 18 th	High Min Temperature	75°	71° in 1918

High Max

Low Max

Precip

High Min

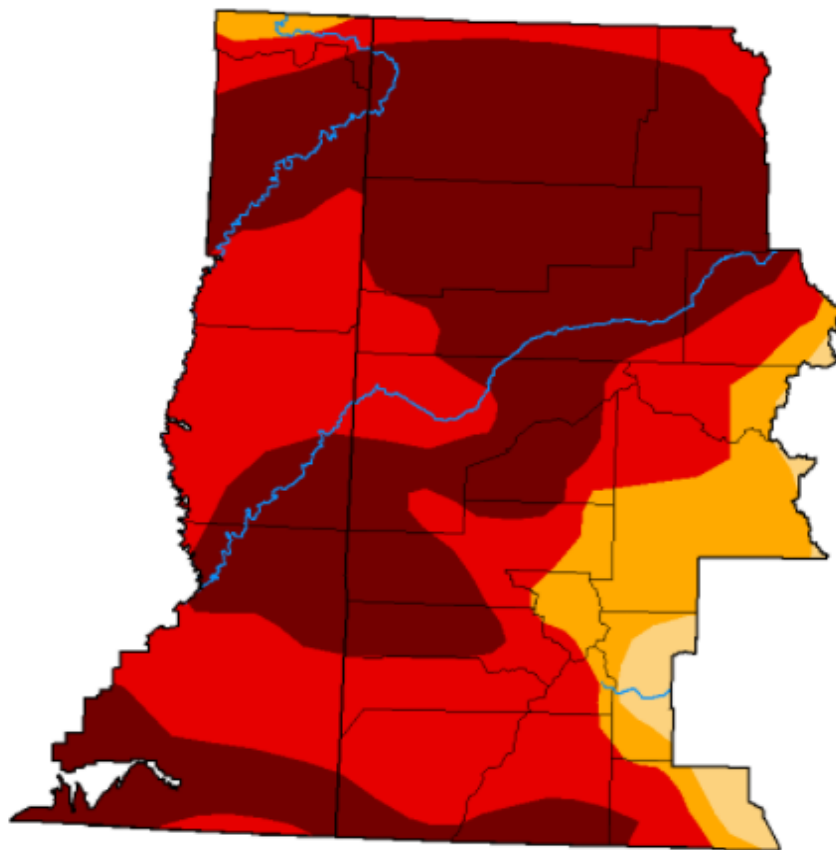
Low Min



Extreme (D3) to exceptional (D4) drought conditions persisted across the majority of eastern Utah and western Colorado throughout July. An exception was across portions of the Divide where areas of severe (D2) and moderate (D1) drought continued.

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought



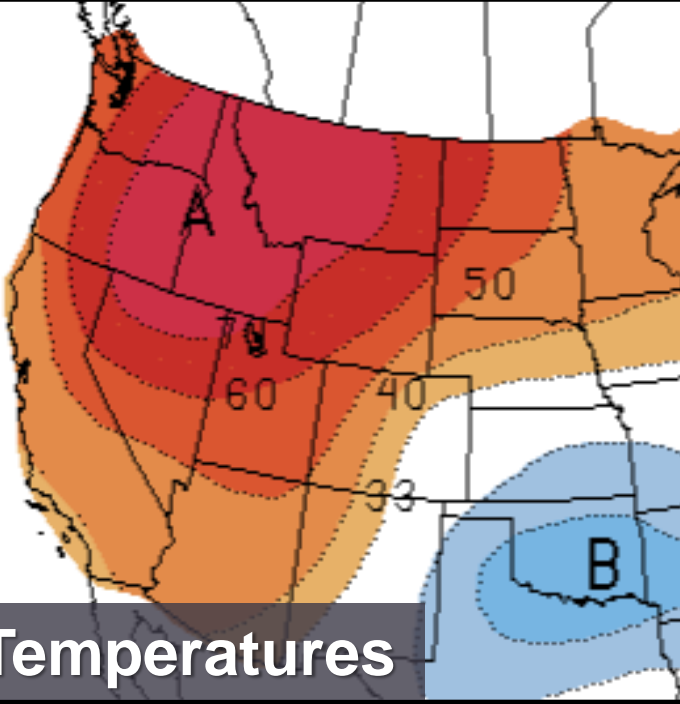
Source:

<http://droughtmonitor.unl.edu>

J U L Y
2 0 2 1

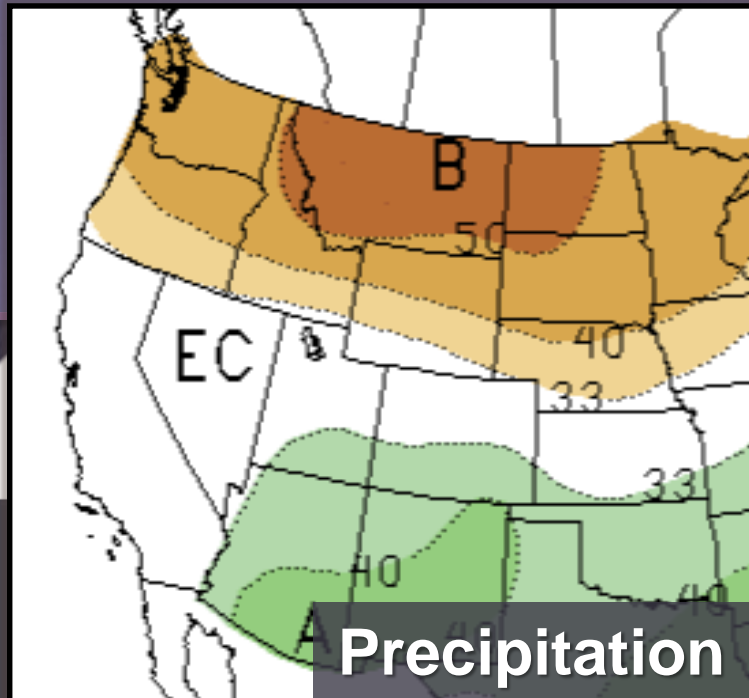
OUTLOOK

TEMPERATURES & PRECIPITATION



Temperatures

For July, the latest outlook from the Climate Prediction Center (CPC) shows odds favoring warmer than normal temperatures across eastern Utah and western Colorado. As far as precipitation goes, wetter than normal conditions are favored for the southern areas.



Precipitation